ABSTRACT

A system and method are disclosed for eliminating many of the transactional performance limitations in current digital media server systems by augmenting those existing systems with an adaptable cache. In a preferred embodiment, the adaptable cache is a compact storage device that can persist data and deliver it at an accelerated rate, as well as act as an intelligent controller and director of that data. Incorporating such an adaptable cache between existing storage devices and an external network interface of a media server, or at the network interface itself, significantly overcomes the transactional limitations of the storage devices, increasing performance and throughput for the overall digital media system. The adaptable cache of the present system and method may preferably be integrated directly into the storage and delivery pipelines, utilizing the native communications busses and protocols of those subsystems.